

جمهورية مصر العربية



وزارة التربية والتعليم
والتعليم الفني

نموذج إجابة

امتحان شهادة إتمام الدراسة الثانوية العامة

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نموذج

أ

1- Determine whether this statement is "True or False". Give reasons.

The Stage of Respect and Preservation of the environment has appeared in the modern age.

Answer:

Statement (False)

Reasons:

This stage is what we live nowadays. Scientists, thinkers and philosophers paid attention to the danger of the negative outcomes that are resulted on some aspects of the human scientific progress.

They started to warn from the danger of it as well as the increasing of wasting the gifts of the universe and the nature.

Scientists called for:

Putting needed laws and rules to protect the natural environment and the rights of the other beings.

- Revival of the scientific research ethics that protect the rights of the other beings and the coming human generations.

(2. m)

2- Answer only (A) or (B)

A- The value of searching for the Truth is an activity for the human conscious.

Analyse

B- The value of "self-independence" means man's self-confidence on his personal decisions.

Analyse

Answer:

A- It's the value that makes a person shows interests to discover facts through his searching for them. In this case value is considered as an activity for the conscious because it develops an awareness of a an attitude for a person towards the world around him: as he evaluates things according to their essence. He seeks to know the first causes and results through searching in a series of reasons.

The value of searching for the truth is created to the individual from his first realization of the world around him. Also, it could happen through two main questions: "Why"; It is the immortal question of philosophy, and "How"; It is the question of the physics and biological science. Then, a value develops to The growth through the information and facts that man gets. Therefore the value is connected to two basic skills: the Reading skill and the using of a method in thinking skill which means mind ability to act and react to the different phenomena.

(3. m)

B- The value of "self - independence" means man's self - confidence on his personal decisions.

Answer:

B- The self-independence value means the self-confidence of man in his personal decisions, to stop his being guided by the others or to follow them even if they are superiors, older or more experienced people. It is very close to man's self-centeredness and his ability to take decisions.

In addition, it is a philosophical value.

It is appeared and activated by the variety of the schools of philosophy (philosophism) that handled only one subject at only one stage.

Philosophical thinking is characterised by independent thinking. It improves the ability to practice and accept criticism. Analysing and comparing are features of it.

Philosophical thinking is characterised by the flexibility; it is a challenging way leads to a high quality of thinking.

Contrary to the self-independence, it is the way of following the other in thinking. A person who follows the other to think for him for no more but is just a follower; to follow an example as a blind follower kills the soul of independent and the ability to practice and accept criticism.

It is the Idols of theatre which is the great attribution to "Bacon" in this sort of thinking.

(3. m)

3- Plato beleives that man achieves his essential needs activities by two ways.

Prove

Answer:

The first way; everyone does these three activities in sequence; food, house and cloth. He divides his time among them as needed. This is exactly what has happened in some primitive socities as man has to do all these kinds of activities himself.

The second way: everyone has just one job to do (just one activity per time). That is what happens in the developed countries; as everyone is espezialized in just one mission, one job and one activity. It is called the social division for work. It is the way that plato prefers.

plato assures that everyone has benifits from this division of work; society will get a high quality production. At the same time the (individual) the producer will do his work comfortly because he has to do just one work, so he can develop his profession well and be very skillfull.

(3. m)

4- Determine whether this statement is "True or False". Give reasons.

In Jacqueline Rose, Biothical is a standard science.

Answer:

Statement (True)

Reasons:

Jacqueline Rose, the French philosopher, in her book "The Recent Ethical Thinking", defines Biotical as standard (Nourmative) science which is interested in the human behaviour in the frame of the related cases (ideas) (main ideas) of life and death.

The definition paid an attention to some studies that are included in some other specialists. Those varities of specials are connected in common with the conditions that are required the cybernetic mechanism of the human beings life in the light of the great and complicated rapid progress of modern technology, medicine and biology. (2. m)

5- Answer only (A) or (B)

(A) Mention the attributions of Ibn Khaldun in the field of Environmental Thinking.

(B) Mention the attributions of Ibn Radwan in the field of Environmental Thinking.

Answer:

A- Ibn Khaldun's attributions in the field of Environmental Thinking:

Ibn Khaldun differentiates between inhabited environmental societies and the other uninhabited ones.

In his introduction to his book (Kitab El Ebar) Ibn Khaldun explained the different geographical areas and their effect which reflect on the behaviour of people, jobs, buildings, clothes, and foods as well.

Ibn Khaldun explained the (climate) reflection (effect) of air on people ethics and their behaviour. He gave an example of the Sudan, how was the hot weather affected on the Sudanese characters which distinguished by joy, fun and happiness. He compared between this hot weather area features and those people who lived in a cold area as they didn't have these feelings of joy and happiness.

Also, he mentioned the people of Egypt as they enjoy their time of (now) with no plans for the future in opposite of those who live in some cold areas as they plan well for their future time.

The people of Egypt's nature go to the extreem emotions of fun, joy and humour in contrast of the people who live in some cold areas as they feel sad and overwhelmed fear and planning for their savings of foods and money.

Ibn khaldun made a great part in his introduction to explain the effect of environment and the kinds of inhabitant on the people who live in them and how it reflected on their political affairs.

Answer:

B- Ibn Radwan attributions in the field of the environmental thinking:

He presened a study of the effect of the place and the environmental elements on man. He coverd totally the characteristics of the place; safety enivronment, climate in all different year seasons and connected that to the kinds of diseases and viruses that spread in it. (Egypt).

In his book, he did an academic, ecology, environmental study which linked some reasons and results in a dialectic method assuring the scentific used method, the integration of the method in its parts.

He achieved perfection in his study through his comparison of some recent modern studies and the books and theories in the same field.(that handel the Environmental philosphy)

Ibn Radwan studied the geographical location and the climat of Egypt to show the effect of both of them on the inhabiants (the people of Egypt) (The Egyptains).

He showed in details in his study the link between this geographical location of Egypt and the nature of diseases that may attack the Egyptian people and the ways of treatment.

Also, he confirmed on the effect of the environment on the ethics of the Egyptians, their habits and custums as well. (3. m)

6- The Human Genome causes a lot of problems.

Discuss

Answer:

The Human Genome is the total amount of information in the chromosomes of man that enables him to know detailed information for the future of his health; this results to unbalance.

- in his life especially when he knows that he is going to get dangerous disease in a certain time with no appropriate treatment for this disease.**
- Hackers can get some benefits if this person was trapped through his inherited information they have.**
- Insurance companies and employment offices may misuse the information against the individual.**
- Racism could be recreated through the information of the defected person and how could he be manipulated or the information could be used against him to be dismissed or thrown him away.**
- Rito - simon abortion (Abortion of fetuses).**

Provide stock reserves for organs, tissues and alternative cells.

that can be useful for:

- Treatment of the inherited diseases.**
- Infertility.**

(3. m)

7- Determine whether this statement is "True or False" Give reasons.

Pragmatism is one of the philosophies that calling for work.

Answer:

Statement (True)

Reasons:

Modern American Progmatic philosophy appeared with some philosophers as William James and John Dewey. It became as the most recent philosphy calling for Work.

They see that the truth of ideas is the one that achieves success in the real word. Therefore, the successful ideas are the ones that achieve materialistic benefits for their owners.

Paragmatic Philosophy confirmed on the importance of the action.

(3. m)

8- Scientific Research ethic is one of the fields of Bio - medical Ethic.

Prove

Answer:

What is meant by the ethics of scientific research in the field of Bio - medical ethics:

- showing the ethical sides in the scientific researches that are interested in man and the part of his body as a topic of their studies.**

David Ross confirmed on three main Topics:

- 1- Achieving the happiness for all members of the society and their common benefits.**
- 2- The responsibility of the physician towards his patients.**
- 3- Achieving patients' needs and updating their requirements for medicine to be treated efficiently.**

There are a lot of committee around the world, as a special interest group, work on the ethics of scientific research, their mission is to put protocols for scientific research that specialized on doing experiments on people in all and different kinds of diseases.

(3. m)

9- Some Philosophers see that the profession ethic criteria have public and private features. Explain by an example

Answer:

The public and private features appeared clearly in the firmness of the Dos and Don'ts that obligate the teacher, the physician or and the lawter to do it. Nevertheless doing his work (mission) to be agreed or disagreed with his beleifs, relegion or his social motives.

The people who support this point of view refuse all formes of authority (State - Relgion - Customs) that try to colour the profession ethics with their colours.

In addition they assure that the practical practice is the only that responsible for controlling the criteria.

For example, the Ethics for a teacher is a law. It forces those who work in the profession of teaching whether man or woman, Egyptian or American ... etc.

(2. m) for Explaining

(1. m) for the example

10- Determine whether this statement is "True or False" Give reasons.

In Plato and Socrates, Values are characterized by Relativity and Subjectivity.

Answer:

Statement (False)

Reasons:

Both "Socrastes" and "plato" sided with the idea that objective values are absolute:

"Socrates" rejected the relative perception of values, and stressed that the value of something is in itself, and that the mind is the means to discover the value by discovering the meaning of human virtue and guiding man to pursue its route.

"plato" confirmed on the needs for human beings to realize that the good has one constant example that does not change, even if there were many names of virtues and good deeds in this sensible world we live in.

(2 .m)

(1 .m) for Socrates

(1 .m) for Plato

11- Determine whether this statement is "True or False". Give reasons.

In J . S. Mill, the Method of concomitant variations is based on a positive relationship.

Answer:

Statement (True)

Reasons:

The method of difference in J.S Mill is based on the concomitant conjunction (causation) between the cause and the effect at occurrence, the relationship between something that happens and the reason for its happening. The process of one event causing or producing another event. This change comes accompanied by the change in another event. Thus, the cause here is related to the effect; a reason for it or a result. So, they both are connected by a way or another. This means the method is based on the belief of the change of the cause leads to another change in the effect.

whatever phenomenon varies in any manner whenever another phenomenon varies in some particular manner, is either a cause or an effect of the phenomenon, or is connected with it through some facts of causations.

This method is spreadly in some fields:

1- The more the unemployment percentage increases, the more crime percentage increases.

2- The more the calcium increases in the food of children, the more their bones grow. (2. m)

12- Answer only (A) or (B)

A- Mention three negative sides for the Information Technology.

B- Mention three positive sides for the Communication Technology.

Answer:

A- It creates a personal and social isolation:

this may happen among the members of the same family as a sort of isolation or a withdraw in the circle of social relationship.

- The addiction of using the internet:

a person feels, as an addicted one, anxiety and disturbance if he stops using the internet or being away from the world wide web.

- The appearance of some problems related to the affection of the information feehndegy on the law and ethics. The appearance of some other new crimes that are so close to The computer and the internet.

- The appearance of some crimes related to the personal privacy and the copyrights.

Cybercrime: crimes committed using the internet; stealing someone's personal information or introducing harmful programs into someone's computer.

- The use of internet to obtain money from someone by tricking them.

- Cyberterrorism: it is the terrorism that threatens the national secure for the society.

Answer:

B- Internet and information technology enable man to communicate easily and to practice all sorts of communications and interaction between the individuals and the groups. Social media, email and world wide web help to make the dialogue between people all over the world on all levels of communaications.

It attributes to lessen the isolation for old people and person with special needs and encourage them to practice life fully. It helps those people to solve a lot of their problems. These communications help to creat innovative ways to the creative thinking and increase the dialogue between people.

(3. m)

13- In Bacon, The positive side method is more active in interpreting the phenomena.

Explain by an example

Answer:

These steps are represented in the following:

- Observation and collecting data.**
- Orgnazing information; this is to be embodied in three lists:**
 - 1- Attendance list; it includes the phenomena that are in common featurrs related together.**
 - 2- Absence list; it includes the phenomena that miss this feature in common.**
 - 3- Dispartily list in class; it includes the phenomena that are there in a very different degrees and this is what is called the hierarchy list.**
- Data Analysis**
- Phenomenz interpretation (Scientific Law)**
- An example:**

Bacon explained an example to present an applied example on the inductive method. It is his application on the phenomon of Heat.

- 1- The attendance list: the existence of heat in sunlight.**
- 2- The absence list: the missing of heat in moon light.**
- 3- Duspartily list in class: the cases that in great (extreem) the heat of the sun in diffirent times. (3.m)**

14- Determine whether this statement is "True or False". Give reasons.

Axioms and Postulates are based on logical principles.

Answer:

Statement (True)

Reasons:

Axioms and postulates depend on logical laws the most important of which is the law of "Identity and the Law of Non Contradiction" and the law of "Excluded Middle".

The law of Identity; refers to the fact that one thing doesn't change or alter.

A book is a book, and "Aristotle" is Aristotle, it could not be something else, if we talk about the symbol (A), the (A) is (A), in the sense that everything is what it really is.

The law of Non-Contradiction: this law expresses the previous law, but in the form of negative, i.e. Aristotle cannot be anyone other than himself at the same time. So, we cannot describe something using a word and its opposite at the same time.

The law of Excluded Middle: refers to having no compromise.

(A) is either (A) or (not A) but nothing else. (2. m)

15- Carl Hempel model in explanation supposes the existence of at least one of the general laws. Prove by an example

Answer:

The model Carl Hempel described his example doesn't differentiate between the physics nor social facts of the real world. The example that Hempel used for his explanation for his model contains the following three main elements:

1- An accident that is needed to be explained; it means (why) did it happen? (searching for reasonable explanations)

If the explosion of the air conditional device of the car (Radiator) in the car during the night. The question is (why did it explode? during the night?) this is the subject of the explanation.

2- Some accidents or pre-events to the accident such as: the device was full of water / It is closed tightly. Water was not freeze. The car was left in the air. The heat degree was decreased to zero. These series of events are the base of Hempel partial explanation.

3- The Physic Law: the increasing of the amount of water, (the amount of water increases when it freezes.) This law links between both of the subject of the explanation and the foundation. (3. m)

16- Complete Induction for Aristotle was criticised.

Analyse

Answer:

The Inductive jump is missed in Aristotle's complete Induction. It means there is no transitoin from the partial to the universe. (the known to the unknown) so, if there is no inductive jump, there is no inductive generalization.

It is impossible to find the induction by Enumeration for Aristotle because we can't count the sands of the desert nor all school students. It means the possibilities are always limitless. (3. m)

17- Determine whether this statement is "True or False". Give reasons.

In the Modern Science Method, Hypothesis explains just a single phenomenon.

Answer:

Statement (False)

Reasons:

The hypothesis explains some of the previous scientific laws or some of the observation- experiment based hypothesis. So, the hypothesis, here, isn't based on the observation and experiment directly.

Even though, the hypothesis returns to the observations and experiments. (2. m)

18- Answer only (A) or (B)

Put the following proposition in a symbolic form, then deduct its "Truth-Value" indicating the logical equivalence in it.

A- The Development will be achieved in Egypt if and only if the production is increased.

Put the following proposition in a symbolic form, then deduct its "Truth-Value" indicating the logical equivalence in it.

B- Haiytham is an officer and Mohamad is an engineer.

Answer: A-

Schema: $(p \longleftrightarrow q)$

P	q	$(p \longleftrightarrow q)$
T	T	T
T	F	F
F	T	F
F	F	T

(1. m)

Equivalence proposition (material equivalence) is true in two cases:

- The true of both of the two equivalence together.**
- The falseness of both of the two equivalence**
- The material equivalence is distinguished by the alternation property.**

(2. m)

Answer: B-

Schema: (p . q)

p	q	(p . q)
T	T	T
T	F	F
F	T	F
F	F	F

(1. m)

Conjunction Relation is distinguished by the alternation propriety. In other words, the change in the position of the two propositions doesn't change the truth-value in conjunction proposition.

(2. m)

19- William Howell and Claude Bernard developed the Induction Experimental Method. Analyse

Answer:

William Howell worked on developing the experimental inductive approach to the hypothesis deductive method that hypothesis come first not the observation and then tested and judged empirically supported by "Claude Bernard" who saw that the idea (hypothesis) earlier experiments .

It may be generated from intuition or mind or empirical observation, and then comes the role of the experiment to test this idea which is usually done by testing device partial results that are required for this hypothesis.

Then the role of the experiment comes the role of experimentations and observations are very essential for this inductive result. If the results agree with the hypothesis, it can be taken as grant temporarily. If the results don't agree with the hypothesis, it is required to be canceled or edited This method is distinguished by its ability to combine the deductive and inductive methods. (3. m)

20- Determine whether this statement is "True or False". Give reasons.

The materialistic design, for computer, is based on logic principles.

Answer:

Statement (True)

Reasons:

Computer material design is based on its use of the logic constant as:

- Conjunction Relation (.)**
- Disjunction Relation (v)**
- Negative Relation (-)**
- Implication (condition) Relation (\longrightarrow)**

The logical constants are creative logic.

George Bool is the founder of these logical constants which have been known, after that, as the Electronic circles.

These electronic circles are the basics of designing the computer.

(2. m)